<u>**Amendments to the Claims:**</u>

This listing of claims will replace all prior version, and listings, of claims in the application:

<u>**Listing of Claims:**</u>

1. (Currently Amended) A system of video stream encryption, comprising:

a storage device capable of storing a first quantization scale and a second

quantization scale, wherein the first quantization scale is greater than the

second quantization scale; and

an encryption application coupled to the storage device, configured to receive

video data, the first quantization scale and the second quantization scale,

generate quantized data ~~by dividing the video into the first quantization~~

~~scale~~ <u>by a first equation</u>, generate supplementary data ~~by subtracting the~~

~~quantized data multiplied by the first quantization scale from the video~~

~~data~~ <u>by a second equation</u>, generate quantized supplementary data ~~by~~

~~dividing the supplementary data into the second quantization scale~~ <u>by a</u>

<u>third equation</u>, encode and encrypt the quantized supplementary data

using variable length encoding and symmetrical/asymmetrical encryption

algorithm<u>,</u>

<u>wherein the first equation is represented by $D_q = V/Q_1$, the second equation is</u>

<u>represented by $D_s = V - (V/Q_1)xQ_1$, the third equation is represented by</u>

<u>$D_{qs} = Ds/Q2$, $D_q$ represents the quantized data, V represents the video,</u>

<u>$Q_1$ represents the first quantization scale, $D_s$ represents the</u>

supplementary data, $D_{qs}$ represents the quantized supplementary data, and $Q_2$ represents the second quantization.

2. (Original )The system as claimed in claim 1 further comprising a first compression application configured to receive and compress video data.

3. (Original) The system as claimed in claim 2 wherein the video data is compressed using motion prediction.

4. (Original) The system as claimed in claim 2 wherein the video data is compressed using discrete cosine transformation (DCT).

5. (Original) The system as claimed in claim 1 further comprising a second compression application configured to receive the quantized data and generate encoded quantized data using variable length encoding.

6. (Currently Amended) A method of video stream encryption, comprising using an electronic device having a CPU to perform the steps of:

receiving video data, a first quantization scale and a second quantization scale, wherein the first quantization scale is greater than the second quantization scale;

generating quantized data by dividing the video data into the first quantization scale a first equation;

generating supplementary data by ~~subtracting the quantized data multiplied by~~

~~the first quantization scale from the video~~ a second equation;

generating quantized supplementary data by a third equation; and

generating encrypted quantized supplementary data using variable length

encoding and symmetrical/asymmetrical encryption algorithm,

wherein the first equation is represented by $D_q = V/Q_1$, the second equation is

represented by $D_s = V - (V/Q_1)xQ_1$, the third equation is represented by

$D_{qs} = Ds/Q2$, $D_q$ represents the quantized data, V represents the video,

$Q_1$ represents the first quantization scale, $D_s$ represents the

supplementary data, $D_{qs}$ represents the quantized supplementary data,

and $Q_2$ represents the second quantization.


7. (Original)    The method as claimed in claim 6 further comprising

compressing the video data.


8. (Original)    The method as claimed in claim 7 wherein the compression

method uses motion prediction.


9. (Original)    The method as claimed in claim 7 wherein the compression

method uses discrete cosine transformation (DCT).

10.     (Original)     The method as claimed in Claim 6, further comprising generating encoded quantized data from the quantized data using variable length encoding.


11.     (Currently Amended)   A storage medium for storing a computer program providing a method of video stream encryption, comprising using a computer to perform the steps of:

receiving video data, a first quantization scale and a second quantization scale, wherein the first quantization scale is greater than the second quantization scale;

generating quantized data by ~~dividing the video data into the first quantization scale~~ a first equation;

generating supplementary data by ~~subtracting the quantized data multiplied by the first quantization scale from the video~~ a second equation;

generating quantized supplementary data by a third equation; and

generating encrypted quantized supplementary data using variable length encoding and symmetrical/asymmetrical encryption algorithm,

wherein the first equation is represented by $D_q = V/Q_1$, the second equation is represented by $D_s = V - (V/Q_1)xQ_1$, the third equation is represented by $D_{qs} = Ds/Q2$, $D_q$ represents the quantized data, V represents the video, $Q_1$ represents the first quantization scale, $D_s$ represents the supplementary data, $D_{qs}$ represents the quantized supplementary data, and $Q_2$ represents the second quantization.

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12.     (Original)     The method as claimed in claim 11, further comprising compressing the video data.


13.     (Original)     The method as claimed in claim 12 wherein the compression method uses motion prediction.


14.     (Original)     The method as claimed in claim 12 wherein the compression method uses discrete cosine transformation (DCT).


15.     (Original)     The method as claimed in Claim 11, further comprising generating encoded quantized data from the quantized data using variable length encoding.